Claims

1、A method for converting water into fuel, being characterized in mixing water with ethanol in a certain ratio by weight, heating and evaporating the obtained mixture to obtain a vapor mixture and passing the said vapor mixture through a DC electric field.

2、The method for converting water into fuel as claimed in Claim 1, being characterized in that the water was mixed with the ethanol in a ratio of 4:1 to 1:1 by weight.

3、The method for converting water into fuel as claimed in Claim 1 or Claim 2, the voltage of the DC electric field is no less than 6V.

4、An apparatus for converting water into fuel, comprising mainly an evaporating system and a DC electric field system, wherein the said evaporating system consists of a tank (8) and an evaporator(11), and the said DC electric field system consists of a riser pipe (1), a negative electrode (2) fixed in the riser pipe (1) and a positive electrode (3) fixed outside of the riser pipe (1),

in the said evaporating system of the apparatus, a flow control valve (9) is provided between the tank (8) and the evaporator (11), the evaporator (11) is of an indirect heating type in which a heating pipe (14) heats the mixture of water and ethanol indirectly in the evaporator (11) to obtain the mixed vapor, and said vapor produced by the evaporator (11) is transferred into a vapor reserving pipe (13) through a connecting pipe (12) connected with the evaporator (11), and the vapor reserving pipe (13) is connected with an outer casing (15) of the positive electrode of the DC electric field system and the riser pipe (1),

in the DC electric field system of this apparatus, the riser pipe (1) is made of an insulating material, the negative electrode (2) is fixed inside the riser pipe (1) and the positive electrode (3) corresponding to the negative electrode (2) is fixed outside, the outer casing (15) is equipped around the positive electrode (3), an outlet hole for the combustible gas is formed at the top of the riser pipe (1) and is connected with a fuel gas pipe (4)which is connected with a fuel gas collecting pipe (5), and an exhausting vent is formed at the top of the outer casing (15) of the positive electrode (3) and is

connected with an exhaust gas pipe (6) which is connected with a exhaust gas collecting pipe (7).

5、The apparatus for converting water into fuel according to Claim 4, being characterized in that the evaporator (11) is an airtight container through which the heating pipe (14) passes in the center, and the mixture of water and ethanol in the evaporator (11) is separated from the material in the heating pipe (14).

6、The apparatus for converting water into fuel according to Claim 5, being characterized in that the heating pipe (14) of the evaporating system is an exhausting pipe of a heat engine.

7、The apparatus for converting water into fuel according to Claim 4, being characterized in that the riser pipe (1) and the negative electrode (2) in the riser pipe (1) and the positive electrode (3) out of the riser pipe (1) in the DC electric field of this apparatus are connected in a tandem manner or a parallel manner or the combined manner of them to construct a combined type DC electric field system, which is connected to the reserving vapor pipe (13), and the output is connected to the fuel gas

collecting pipe (5) via the fuel gas pipe (4) and to the exhaust gas collecting pipe (7) via the exhaust pipe (6).

8、The apparatus for converting water into fuel according to Claim 4 or Claim 7, being characterized in that the negative electrode (2) in the riser pipe (1) is a tower-like winding with larger underpart and smaller upperpart or a strip made of a conductive material, and the positive electrode (3) opposite to the negative electrode is fixed outside of the riser pipe (1), and is a tube electrode formed by winding a plate or a strip made of a conductive material around the riser pipe (1).

9、The apparatus for converting water into fuel according to Claim 4 or Claim 7, being characterized in that the negative electrode (2) in the DC electric field system of said apparatus is a tube electrode made of a conductive material.